

MEGA TOUCH PUR TUBING

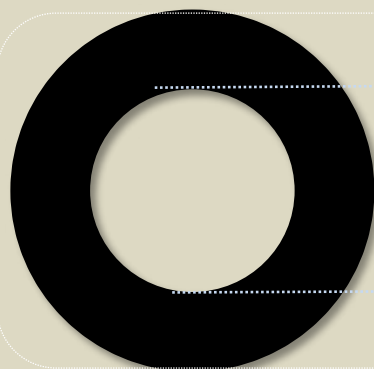
Proposal for cost reduction by downsizing



The inner diameter of the tubing has been increased

STANDARD PUR TUBING TE

MEGA TOUCH PUR TUBING MTP



■ High flow rate

Around 50%

UP

■ Downsizing

Depending on the flow rate used, a tubing (fitting) of one size smaller may be used.

Result...Cost down·Reduce weight·Saving piping space

■ Increase flow rate

Tubing O.D. (mm)	Standard PUR Tubing(TE)		Mega Touch PUR Tubing(MTP)	
	I.D. (mm)	Flow (ℓ/min)	I.D. (mm)	Flow (ℓ/min)
6	4	240	4.5	370
8	5	440	6	700
10	6.5	800	7.5	1,250
12	8	1,300	9	2,000

※The above flow rate is at a pressure of 0.5 MPa and a tube length of 2 m

■ High working pressure

Around 30%

UP

■ Performance of pressure resistance increased

Maximum working pressure increased.

The swelling of the tubing due to aging is reduced.

Max. working pressure (MPa)	Standard PUR Tubing(TE)	Mega Touch PUR Tubing(MTP)
	0.8	1

※ The above values at a temperature (20°C) in the case of compressed air.

■ Reduce weight

Around 20%

DOWN

Compared to standard PUR tubing, reduce weight around 20%.

When downsized, tubings and fittings are lighter.

Fittings and tubing are one size lower, so cost can be reduced.

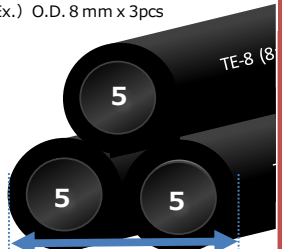
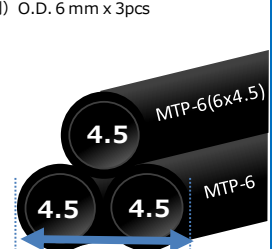
Tubing O.D. (mm)	Standard PUR Tubing(TE)		Mega Touch PUR Tubing(MTP)	
	I.D. (mm)	Weight (g/m)	I.D. (mm)	Weight (g/m)
6	4	19	4.5	15
8	5	37	6	28
10	6.5	55	7.5	42
12	8	76	9	62

■ Save piping space

DOWN

Bundled tubings also reduce piping space.

(Ex.) When the tubing 8mm is downsized to 6mm

Standard PUR Tubing(TE)	Mega Touch PUR Tubing(MTP)
(Ex.) O.D. 8 mm x 3pcs 	(例) O.D. 6 mm x 3pcs 
Width 16mm	Width 12mm

【Specification】

Media	Compressed Air	Industrial water	Vacuum
Working Temperature Range	- 5 ~ 6 0 °C	5 ~ 4 0 °C	- 5 ~ 6 0 °C
Max. Burst Pressure	4MPa		
Max. Working Pressure	1MPa	0.3 MPa	- 1 0 0 kPa

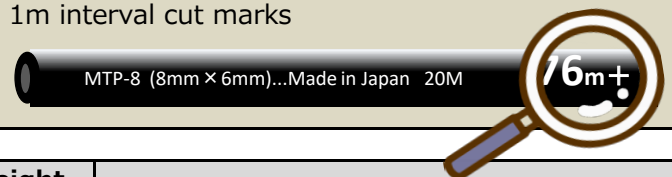
※Water hammer considered in value above

The value at a temperature 20°C

Please be sure to read our general catalog safety precautions before use.

■ Cut mark displayed

With 1m interval cut marks



Model	O.D. X I.D. (mm)	Min. Turning Radius (mm)	Tolerance (mm)	Weight (g/m)	Standard color
MTP-4	4x2.5	8	±0.1	10	BK(Black) · W(White) · Y(Yellow) · R(Red) · G(Green) · LB(Light Blue) · C(Clear) · LG(Light Green)
MTP-6	6x4.5	15		15	
MTP-8	8x6	24		28	
MTP-10	10x7.5	30	+0.1 -0.15	42	
MTP-12	12x9	36		62	

※4mm O.D. type(MTP-4) is the same I.D. size as standard type (TE-4).



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